



Docket No.: 1752-0186PUS1

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Takayuki FUKUMATSU et al.

Application No.: 10/590,899

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Filed: August 28, 2006

For: ORGANIC ELECTROLUMINESCENT

DEVICE

Confirmation No.: 4372

Art Unit: 1774

Examiner: Not Yet Assigned

LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Subsequent to the filing of the above-identified application on August 28, 2006, attached hereto is an English translation of the International Preliminary Report on Patentability (Form PCT/IB/338, PCT/IB/373) and the Written Opinion of the International Search Authority (PCT/ISA/237) that should be made of record in the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or to credit any overpayment to Deposit Account No. 02-2448 for any

Application No.: 10/590,899 Docket No.: 1752-0186PUS1

additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Dated: FEB - 5 2007

Respectfully submitted,

By Gerald M. Murphy, Jr.

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Attachment(s)

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

To:

NARUSE, Katsuo 5th Floor, TKK Nishishinbashi Bldg. 11-5, Nishi-shinbashi 2-chome Minato-ku, Tokyo 1050003 JAPON



Date of mailing (day/month/year) 07 December 2006 (07.12.2006)	
Applicant's or agent's file reference NTK05-1655WO	IMPORTANT NOTIFICATION
International application No. PCT/JP2005/003764	International filing date (day/month/year) 04 March 2005 (04.03.2005)
Applicant NIPPON STEEL C	CHEMICAL CO., LTD. et al

l.	Transmittal	of the	translation	to	the applicant	
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/	The International Bureau transmits herewith a copy of the English translation of the international preliminary report of patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

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PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference NTK05-1655WO	FOR FURTHER ACTION	See item 4 below
International application No. PCT/JP2005/003764	International filing date (day/month/year) 04 March 2005 (04.03.2005)	Priority date (day/month/year) 15 March 2004 (15.03.2004)
See relevant information in Form P	n edition unless older edition indicated) PCT/ISA/237	
Applicant NIPPON STEEL CHEMICAL CO.,	LTD.	

1.	This international preliminary r International Searching Authori	eport on patentability (Chapter I) is issued by the International Bureau on behalf of the ty under Rule 44 $bis.1(a)$.
2.	This REPORT consists of a total	of 5 sheets, including this cover sheet.
	In the attached sheets, any refer to the international preliminary	ence to the written opinion of the International Searching Authority should be read as a reference report on patentability (Chapter I) instead.
3.	This report contains indications	relating to the following items:
	Box No. I	Basis of the report
	Box No. II	Priority
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	Box No. IV	Lack of unity of invention
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	Box No. VI	Certain documents cited
	Box No. VII	Certain defects in the international application
	Box No. VIII	Certain observations on the international application
4.	The International Bureau will co not, except where the applicant redate (Rule 44bis .2).	mmunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but nakes an express request under Article 23(2), before the expiration of 30 months from the priority

	Date of issuance of this report 29 November 2006 (29.11.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Masashi Honda
Facsimile No. +41 22 338 82 70	e-mail: pt08@wipo.int

Form PCT/IB/373 (January 2004)

TRANSLATION PATENT COOPERATION TREATY From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION NTK05-1655WO See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2005/003764 04.03.2005 15.03.2004 International Patent Classification (IPC) or both national classification and IPC Applicant NIPPON STEEL CHEMICAL CO., LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Authorized officer

Telephone No.

Facsimile No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/003764

Box	No. I Basis of this opinion	
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it w filed, unless otherwise indicated under this item.	as
	This opinion has been established on the basis of a translation from the original language into the following language	
	, which is the language of a translation furnished for the purposes of international search (under	T
	Rule 12.3 and 23.1(b)).	
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claims invention, this opinion has been established on the basis of:	:d
	a. type of material	
	a sequence listing	
	table(s) related to the sequence listing	
	b. format of material	
	in written format	
	in computer readable form	
	c. time of filing/furnishing	
	contained in the international application as filed.	
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed of furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application a filed or does not go beyond the application as filed, as appropriate, were furnished.)r IS
4.	Additional comments:	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/003764

Claims NO Inventive step (IS) Claims 1-3 YES					PCT/JP2005/00376	7 -
1. Statement Novelty (N) Claims Claims Claims 1-3 YE Claims Industrial applicability (IA) Industrial applicability (IA) Claims Claims 1-3 YE Claims NO Industrial applicability (IA) Claims 1-3 YE NO 2. Citations and explanations: Document 1: JP, 2000-200684, A (Minolta Co., Ltd.), 18 July, 2000 (18.07.00), paragraph [0022], chemical formula 7 Document 2: JP, 10-237439, A (Futaba Corp.), 8 September, 1998 (08.09.98), full text, all drawings Document 3: JP, 10-25472, A (Futaba Corp.), 27 January, 1998(27.01.98), claim 3 Claims 1-3 Any of the prior art documents as described above do not describe or suggest the constitution that a compound represented by the general formula (I) of the present application is utilized as a host material of a phosphorescence light-emitting layer. Therefore, the inventions of the present application appear to be novel and involve an			t under Rule 43bis	.1(a)(i) with regard to novelty, inve	entive step or industrial applicability;	
Industrial applicability (IA) Claims Claims Claims Claims Claims Industrial applicability (IA) Claims Claims Claims Claims NO Claims NO 2. Citations and explanations: Document 1: JP, 2000-200684, A (Minolta Co., Ltd.), 18 July, 2000 (18.07.00), paragraph [0022], chemical formula 7 Document 2: JP, 10-237439, A (Futaba Corp.), 8 September, 1998 (08.09.98), full text, all drawings Document 3: JP, 10-25472, A (Futaba Corp.), 27 January, 1998(27.01.98), claim 3 Claims 1-3 Any of the prior art documents as described above do not describe or suggest the constitution that a compound represented by the general formula (I) of the present application is utilized as a host material of a phosphorescence light-emitting layer. Therefore, the inventions of the present application appear to be novel and involve an	1. Sta		additions supporting	Steri Sarcineir		
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Claims Claims			Claims			NO
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/003764

	rtain publ	ished documents (Rule	43bis.1 and 70).10)				
		Application No. Patent No.		Publication (day/mont		Filing of	late h/year)	Priority date (valid cla (day/month/year)
	JP 2	005-11610 A [E	., A]	13.01.	2005	18.06.		
	JP 2	004-214179 A [E, X]	29.07.	2004	04.12.	2003	17.12.200
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Noi	n-written	disclosures (Rule 43bis	.1 and 70.9)					
	F	Kind of non-written disc	closure		non-written dis ay/month/year		referring	of written disclosure to non-written disclosure day/month/year)